

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1 - 2. (Canceled)

3. (Currently amended) The transceiver of claim [[2]]5, wherein the gain values are determined in an automatic gain circuit.

4. (Canceled)

5. (Currently amended) A transceiver, comprising:

a receiver that can receive data on a plurality of frequency-separated channels from a transmission medium;

a transmitter that can transmit data on the plurality of frequency separated channels on the transmission medium; and

a power balancer that adjusts the power output on at least one of the plurality of

frequency separated channels on the transmitter based on signals received from

the receiver, by adjusting at least one gain of at least one amplifier coupled to

transmit signals on at least one of the plurality of frequency separated channels

wherein the signals received from the receiver are gain values to amplifiers

amplifying signals down-converted from each of the plurality of frequency-

separated channels, wherein the gain values are determined in response to data

received from a complementary transmitter transmitting through the transmission

medium ~~The transceiver of claim 4,~~ wherein the at least one gain is adjusted by

multiplying the at least one gain by ~~the~~ a ratio of a corresponding one of the gain values and ~~the~~ an average gain value.

6. (Currently amended) The transceiver of claim 4, wherein the at least one gain is adjusted by multiplying the at least one gain by ~~the~~ a ratio of a corresponding one of the gain values and a threshold gain value.

7. (Original) The transceiver of claim 6, wherein the at least one gain is adjusted only if the corresponding one of the gain values is greater than the threshold gain value.

8. (Currently amended) The transceiver of claim ~~[[1]]~~5, wherein the power balance is enabled during a start-up process.

9.-10. (Canceled).